

NRO REVIEW COMPLETED

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8701-69
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30 July 1969

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MEMORANDUM FOR: Director, Office of Computer Services, DDS&T

ATTENTION:

SUBJECT: Semiannual Report of Accomplishments in the
Use and Management of ADP

REFERENCE: Memo from Information Processing Coordinator,
Science and Technology, dated 25 June 1969,
same subject

1. In response to the memorandum referenced above, the following are the OSA/ADP Programs now in effect and for which reports are attached:

a. The Aircraft Flight Maintenance Data Collection System.

b. Mission Survivability Simulation for High Altitude Reconnaissance Vehicles using the Monte Carlo System.

2. No further action has been taken on the proposed programs for OSA Personnel Directories and OSA Travel referenced in paragraph 2 of our previous report.

Comptroller
Office of Special Activities

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Attachments:

1. Hqs IBM-360 Report
2. OCS/SAD Report

Compt/Finance/OSA,
Distribution:

- Orig - Addee w/att
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SEMIANNUAL REPORT OF ACCOMPLISHMENTS
IN THE USE AND MANAGEMENT OF ADP
(Reference: BOB Circular A-79)

ADP Unit IBM-360 Period Covered 2nd half of FY 69

SECTION I. ACCOMPLISHMENTS IN THE USE OF DIGITAL COMPUTERS

Describe significant accomplishments with computer-based systems (i.e., computer applications) which were initiated or revised significantly during the report period.

Furnish the information in Parts A and B for each such application separately.

PART A. DESCRIPTION OF COMPUTER-BASED SYSTEM

Agency Program Supported

Category Collection of Intelligence
Subcategory Imagery
Element Photographic

System Description. Explicitly describe the computer application and what it achieves (50 words or less).

The "Aircraft Flight Maintenance Data Collection System" is a compilation of equipment performance by aircraft for each flight; successful/unsuccessful.

For each acft there are over 200 items whose performance is evaluated for each flight. The resultant data is stored and processed by ADP to produce system analysis reports

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PART B. BENEFITS. Explain under one (or more) of the categories below.

Manpower. Cite net manpower savings for the customer (user); indicate whether actual or projected (best estimate).

Savings vs. additional manhour figures have not been accumulated to date. No additional slots required.

Dollars. Cite net dollar savings for the customer (user); indicate whether actual or projected (best estimate).

See other benefits.

Service. Explain improvements in service achieved.

Management is now in a position to forecast instead of react.

Achievements. Explain accomplishments not feasible without a computer.

It is now practical to project the degree of reliability that can be attained with [redacted] its numerous components. Forecasts on reliability can be based on analyzing the present operational vehicle performance and equating it to the stage of development of the new article.

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Other Benefits. Explain.

By highlighting the recurring problem areas to the system contractors and operators, preventive action can be taken "before-the-fact" to preclude system failures resulting in : loss-of-life, equipment and embarrassment to the U.S. Gov't.

SECTION II. ACCOMPLISHMENTS IN THE MANAGEMENT OF ADP ACTIVITIES

Describe significant ADP management accomplishments during the report period. Explain each accomplishment separately, using the appropriate category(ies) below. Use 50 words or less and quantify the benefits, if feasible (e.g., amount of ADP equipment and manpower savings).

Standardization within or among computer systems or ADP Units.

Integration of computer-based systems on an interagency or intra-agency basis.

Research and Development achievements to improve ADP technology, techniques or systems.

Consolidation of computer facilities, staffs, etc.

Sharing computers or ADP personnel.

Excess Equipment acquisitions via the excess property route in lieu of acquiring additional new equipment for the Agency or to permit release of rented equipment.

Procurement contracts negotiated under more favorable terms than those provided in the Federal Supply Schedule.

Other ADP management accomplishments.

Not Required.

SECTION III. PLANS FOR THE FUTURE

Include this section only in reports prepared at the end of each fiscal year (i. e. for period ending June 30).

Describe in summary form or outline significant actions planned or underway in the ADP Unit which are expected to result in ADP accomplishments of the sort indicated in Sections I and II. Include a statement of anticipated benefits for each such action planned or underway.

PART A. Plans which deal with the use of computers (Computer Applications).

PART B. Plans which deal with the management of ADP activities (hardware, software and operations).

None.

SEMIANNUAL REPORT OF ACCOMPLISHMENTS
IN THE USE AND MANAGEMENT OF ADP
(Reference: BOB Circular A-79)

ADP Unit OCS/SAD Period Covered 2nd half of FY 69

SECTION I. ACCOMPLISHMENTS IN THE USE OF DIGITAL COMPUTERS

Describe significant accomplishments with computer-based systems (i.e., computer applications) which were initiated or revised significantly during the report period.

Furnish the information in Parts A and B for each such application separately.

PART A. DESCRIPTION OF COMPUTER-BASED SYSTEM

Agency Program Supported

Category Collection of Intelligence
Subcategory Imagery
Element Photographic

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System Description. Explicitly describe the computer application and what it achieves (50 words or less).

A mission survivability simulation for high
altitude reconnaissance vehicles using the Monte
Carlo process.

PART B. BENEFITS. Explain under one (or more) of the categories below.

Manpower. Cite net manpower savings for the customer (user); indicate whether actual or projected (best estimate).

Savings Vs. additional manhour figures have not been accumulated to date due to short duration of program. No additional slots required.

Dollars. Cite net dollar savings for the customer (user); indicate whether actual or projected (best estimate).

See other benefits

Service. Explain improvements in service achieved.

Management is now in a position to forecast instead of react.

Achievements. Explain accomplishments not feasible without a computer.

Reliable estimates of the relative probability of success for a particular mission route are obtained, with an indication of the vulnerability of each route segment and each way point. Plots of the air and radar order of battle, with the mission route and interceptor activity, are

generated automatically and maybe extracted for use for plain white paper, maps, or plastic map overlays as briefing aids.

Other Benefits. Explain.

By pointing out the high risk route segments (legs) of a mission route to the Flight Planners, new legs can be designed that might preclude loss of the vehicle and perhaps the life of the pilot. Reduction of loss probability enhances the overall mission success capability.

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Integration of computer-based systems on an interagency or intra-agency basis.

Research and Development achievements to improve ADP technology, techniques or systems.

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Sharing computers or ADP personnel.

Excess Equipment acquisitions via the excess property route in lieu of acquiring additional new equipment for the Agency or to permit release of rented equipment.

Procurement contracts negotiated under more favorable terms than those provided in the Federal Supply Schedule.

Other ADP management accomplishments.

Not required.

SECTION III. PLANS FOR THE FUTURE

Include this section only in reports prepared at the end of each fiscal year (i.e. for period ending June 30).

Describe in summary form or outline significant actions planned or underway in the ADP Unit which are expected to result in ADP accomplishments of the sort indicated in Sections I and II. Include a statement of anticipated benefits for each such action planned or underway.

PART A. Plans which deal with the use of computers (Computer Applications).

PART B. Plans which deal with the management of ADP activities (hardware, software and operations).

Plans for future use/expansion of this project are in the formulation stage and will require more study prior to submission.

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Approved For Release 2002/08/20 : CIA-RDP68B00724R000100140001-5

ATTACHMENT TO:
8703-69

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FY 1970 FINANCIAL PROGRAM ISSUE NO. 2

A-12 AIRCRAFT IN STORAGE

1. It is recognized that SCOPE COTTON decision number 21 (27 January 1969) assigned A-12 aircraft storage responsibilities to Director, Program D, and that these aircraft and related assets were thereafter to be considered the property of the NRP.
2. However, we strongly support the D/NRO proposal for conduct of one A-12 aircraft flight test during FY 1970. It is further considered appropriate that the entire storage concept be reassessed during this same Fiscal Year. Expensive equipment, systems and hardware are being maintained in storage that could conceivably be used elsewhere.
3. As a point of significance pertaining to the possible deterioration of equipment over an extended storage period, approximately one year after storage a complete operational check was performed by Lockheed covering flight controls, gear operation, etc. through use of the primary aircraft systems. The results of this exercise was gratifying and would tend to indicate that the possible life expectancy vs rate of deterioration in a storage configuration would warrant further evaluation. The applicable systems operated perfectly with no leakage or evidence of deterioration of the hydraulic systems being operated.

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